1 "6417427" P.N. USPAT 2003/05/17 13 2 4 "4676786" "5662633" "5669895" USPAT 2003/05/17 13 3 0 6417427 N.P. USPAT 2003/05/17 13 4 1 ("5662633") P.N. USPAT 2003/05/17 13 5 29 "Re24137" "1997883" "2331355" USPAT 2003/05/17 13 3559648" "3739246" "4029100" USPAT 2003/05/17 13 3559648" "3339246" "4029100" USPAT 2003/05/17 13 3559648" "3339246" "4029100" USPAT 2003/05/17 13 3559648" "3339246" "4029100" USPAT 2003/05/17 13 3559648" "4333463" "4338331" "4433972" "4501587" "4661062" "4743245" "511302" "511302" "51197959" "511302" "51197959" "5119321" "51197959" "5119321" "51197959" "5119321" "51197959" "5119321" "51197959" "5119321" "51197959" "51197959" "51197959" "511979959" "51197959" "51197959" "5119799599 "5119799599 "5119799599 "51197999599 "511979999999999999999999999999999999999	L Number	Hits	Search Text	DB	Time stamp
"5972505").PN.					2003/05/17 13:03
3	1				2003/05/17 12:31
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"3559648" "3779246" "4029100" "4079739" "43501587" "43831" "4433972" "4501587" "4681062" "4667676" "4743245" "4988345" "5912540" "59173021" "5151587" "5912540" "5171302" "51553" "5912540" "5171302" "51553" "5281208" "533391") PN. 6		_	1 .	1	
"4079739" "4333463" "43388371" "4433972" "4501587" "461062" "4676786" "4743245" "4828555" "4846824" "4988344" "4988345" "5012540" "5171302" "5181563" "519759" "5219311" "526921" "5249629" "5533991").PN.	ا	29		USPAT	2003/05/1/ 13:03
"4433972" "4501587" "4631062" "4676786" "47432455" "4825555" "4846824" "4988344" "4988345" "5012540" "5171302" "51811553" "5127959" "5219341" "5267952" "52812028" "5334176" "5382245" "522923" "52812028" "533391").PN.					
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#884624" "4988344" "4988345" "5012540" "5511202" "5181553" "5012540" "55129341" "5287952" "5281208" "5381216" "5382245" "5281208" "55219341" "5382245" "5281208" "55219341" "5382245" "5281208" "5533991").PN. 7			· · · · · · · · · · · · · · · · · · ·		}
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"5197959" "5219341" "5267952" "5281208" "5334176" "5382245" "5429629" "5533991").PN. 6			"4846824" "4988344" "4988345"		
"5281208" "5334176" "5382245" "5281208" "5533991").PN.			"5012540" "5171302" "5181563"		
			"5197959" "5219341" "5267952"		
			"5281208" "5334176" "5382245"		
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1	6	22		USPAT	2003/05/17 13:18
Separt					
23651 catamenial diaper incontinens4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner USPAT 2003/05/17 14 11 509276 density Catamenial diaper incontinens4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near3 layer) and density acquisition near1 layer uSPAT 2003/05/17 14 2003/05/17 14 2003/05/17 14 2003/05/17 14 2003/05/17 14 2003/05/17 14 2003/05/17 15 2003/05/17					
near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner acquisition near3 layer USPAT 2003/05/17 14 11 509276 density (catamenial diaper incontinen\$4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near3 layer) and density (catamenial diaper incontinen\$4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near3 layer) (catamenial diaper incontinen\$4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near1 layer) (and density near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near1 layer) (and density near3 napkin) (feminine with (sare product pad napkin garment pygiene) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near1 layer) (and density near3 napkin) (feminine with (sare product pad napkin garment pygiene) (medical with (spart 2003/05/17 15 near 2003/05/					1
pad napkin garment hygiene) (medical with (garment drape wipe pad)) bandage patiliner acquisition near3 layer		23031		USPAI	2003/03/1/ 14:35
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10				1	
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11 509276 density 429 (catamenial diaper incontinen\$4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near3 layer) and density 13 402 acquisition near1 layer 14 339 (catamenial diaper incontinen\$4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near1 layer) 16 17 18 19 19 19 19 19 19 19		=		1	
12				1	2003/05/17 14:36
near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near3 layer) and density and density (catamenial diaper incontinen\$4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near1 layer) and density (garment drape wipe pad)) bandage pantiliner) and (acquisition near1 layer) and density ("H001511").PN. USPAT 2003/05/17 15 10 ("H001511").PN.) and pulp USPAT 2003/05/17 15 11 ("H001511").PN.) and pulp USPAT 2003/05/17 15 11 ("H001511").PN.) and pulp USPAT 2003/05/17 15 11 ("H001511").PN.) and pulp USPAT 2003/05/17 15 11 ("H001511").PN.) and pulp USPAT 2003/05/17 15 11 (polyethylene\$lpolypropylene\$1 or (polyethylene adj polypropylene\$1 or (polypropylene\$1polyethylene\$1 or (polypropylene\$1 polypropylene\$1 or (polypropylene adj polypropylene\$1 or (polypropylene adj polypropylene\$1 or (polypropylene adj polypropylene\$1 or (polypropylene adj polypropylene\$1 or (polypropylene adj polypropylene\$1 or (polypropylene adj polypropylene\$1 or (polypropylene\$1polypropylene\$1 or (polypropylene\$1					2003/05/17 14:35
pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near3 layer) and density acquisition near1 layer (catamenial diaper incontinen\$4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near1 layer) and density (sarment drape wipe pad)) bandage pantiliner) and (acquisition near1 layer) and density (sarment drape wipe pad)) bandage pantiliner) and pulp (spat) (spat) (2003/05/17 15 15 1 ("H001511").PN. (spat) (spat) (2003/05/17 15 15 1 ("H001511").PN.) and pulp (spat) (spat) (polyethylene\$lpolypropylene\$1 or (polyethylene\$lpolypropylene\$1 or (polyethylene adj polypropylene\$1 or (polypropylene\$1polypropylene\$1 or (polypropylene\$1polypropylene\$1 or (polypropylene\$1polypropylene\$1 or (polypropylene\$1polypropylene\$1 or (polypropylene adj polypropylene\$1 or (polypropylene\$1polypropylene\$1 or (polypropylene\$1 or (polypropylene\$1polypropylene\$1 or (polypropylene\$1polypropylene\$1 or (polypropylene\$1polypropylene\$1 or (polypropylene\$1 or (12	429		USPAT	2003/05/17 14:36
(garment drape wipe pad) bandage pathiliner and (acquisition near3 layer) and density acquisition near1 layer (catamenial diaper incontinen\$4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner and (acquisition near1 layer) and density uspat 2003/05/17 15			near3 napkin) (feminine with (care product		
pantiliner) and (acquisition near3 layer) and density 402 acquisition near1 layer (catamenial diaper incontinen\$4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near1 layer) and density 35 0 H1511.pn. and pulp 36 0 H1511.pn. and pulp 37 1 ("H001511").PN. 38 1 (("H001511").PN.) and pulp 38 1 (("H001511").PN.) and pulp 39 2003/05/17 15 39 31 (("H001511").PN.) and pulp 39 32 31 ((polyethylene\$1polypropylene\$1 or (polyethylene adj polypropylene)) with conjugate with fibers) 39 30 (((polyethylene\$1polypropylene\$1 or (polyethylene adj polypropylene)) with conjugate with fibers) 30 40 40 40 40 40 40 40 40 40 40 40 40 40			pad napkin garment hygiene)) (medical with		
13			(garment drape wipe pad)) bandage		
13			pantiliner) and (acquisition near3 layer)		
13					
14 339 (catamenial diaper incontinen\$4 (sanitary near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition near1 layer) and density USPAT 2003/05/17 15 15 15 15 16 17 18 18 19 19 19 19 19 19	13	402	acquisition near1 laver	USPAT	2003/05/17 14:36
near3 napkin) (feminine with (care product pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition nearl layer) and density 35	14	339		USPAT .	2003/05/17 14:36
pad napkin garment hygiene)) (medical with (garment drape wipe pad)) bandage pantiliner) and (acquisition nearl layer) and density 35				002111	2000,00,1, 11.30
(garment drape wipe pad)) bandage pantiliner) and (acquisition nearl layer) and density 15					
pantiliner) and (acquisition nearl layer) and density USPAT 2003/05/17 15 USPAT 2003/05/17 12 USPAT 2001/12/06 11 (polyethylene adj polypropylene)) with conjugate with fibers) (((polyethylene\$lpolypropylene\$1 or (polyethylene adj polypropylene)) with conjugate with fibers)) and (spunbond same nonwoven) ((polyethylene\$lpolypropylene\$1 or (polyethylene\$lpolypropylene\$1 or (polyethylene adj polypropylene) or (polyethylene adj polypropylene) or (polyethylene adj polypropylene)) with conjugate with fibers) ((polyethylene\$lpolyethylene\$) with conjugate with fibers) ((polyethylene\$lpolypropylene\$1 or USPAT 2001/06/27 11 USPAT 2001/06/27 11 USPAT 2001/06/27 11 USPAT 2001/06/28 10					
and density				•	
35					
36	25	0		II CD M	2002/05/17 15:50
1		_			
1 (("H001511").PN.) and pulp 127 surge adj material 57 ((polyethylene\$1polypropylene\$1 or (polyethylene adj polypropylene\$1 or (polyethylene adj polypropylene\$1 or (polyethylene adj polypropylene\$1 or (polyethylene adj polypropylene)) with conjugate with fibers) 22 (((polyethylene\$1polypropylene\$1 or (polyethylene adj polypropylene)) with conjugate with fibers)) and (spunbond same nonwoven) 74 ((polyethylene\$1polypropylene\$1 or (polypropylene\$1polyethylene\$1 or (polypropylene adj polypropylene) or (polypropylene adj polypropylene) or (polypropylene adj polypthylene)) with conjugate with fibers) 33 (((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or polypropylene\$1polyethylene\$1 or polypropylene\$1polypthylene\$1 or polypropylene\$1polyethylene\$1 or		-			
- 127 surge adj material ((polyethylene\$lpolypropylene\$1 or (polyethylene adj polypropylene)) with conjugate with fibers) - 22 (((polyethylene\$lpolypropylene)) with conjugate with fibers) ((polyethylene adj polypropylene)) with conjugate with fibers)) and (spunbond same nonwoven) - 74 ((polyethylene\$lpolypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polypthylene\$1 or					
- 57 ((polyethylene\$1polypropylene\$1 or (polyethylene adj polypropylene)) with conjugate with fibers) - 22 (((polyethylene\$1polypropylene\$1 or (polyethylene adj polypropylene)) with conjugate with fibers)) and (spunbond same nonwoven) - 74 ((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) with conjugate with fibers) - 33 (((polyethylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polypthylene\$1 or					
<pre>(polyethylene adj polypropylene)) with conjugate with fibers) (((polyethylene\$1polypropylene\$1 or</pre>	-				2003/05/17 12:31
conjugate with fibers) (((polyethylene\$1polypropylene\$1 or (polyethylene adj polypropylene)) with conjugate with fibers)) and (spunbond same nonwoven) 74 ((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polypropylene) or (polypropylene adj polyethylene)) with conjugate with fibers) 33 (((polyethylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or	-	57		USPAT	2001/12/06 11:08
- 22 (((polyethylene\$1polypropylene\$1 or (polyethylene adj polypropylene)) with conjugate with fibers)) and (spunbond same nonwoven) 74 ((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polypropylene) with conjugate with fibers) 33 (((polyethylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polypthylene\$1 or	i				
<pre>(polyethylene adj polypropylene)) with conjugate with fibers)) and (spunbond same nonwoven) 74 ((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) with conjugate with fibers) 33 (((polyethylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or</pre> USPAT 2001/06/28 10	İ			•	1
conjugate with fibers)) and (spunbond same nonwoven) 74 ((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) with conjugate with fibers) 33 (((polyethylene\$1polypropylene\$1 or polypropylene\$1polypthylene\$1 or polypropylene\$1polyethylene\$1 or	-	22		USPAT	2001/06/27 11:32
nonwoven) ((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) with conjugate with fibers) 33 (((polyethylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or	l		(polyethylene adj polypropylene)) with		
nonwoven) ((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) with conjugate with fibers) 33 (((polyethylene\$1polypropylene\$1 or polypropylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or	l		conjugate with fibers)) and (spunbond same		
polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) with conjugate with fibers) - 33 (((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or					1
polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) with conjugate with fibers) - 33 (((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or	-	74	((polyethylene\$1polypropylene\$1 or	USPAT	2001/06/27 11:32
<pre>(polyethylene adj polypropylene) or</pre>	l				
<pre>(polypropylene adj polyethylene)) with conjugate with fibers) - 33 (((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or polypropylene\$1polyethylene\$1 or</pre>					
conjugate with fibers) (((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or polypropylene\$1polyethylene\$1 or					
- 33 (((polyethylene\$1polypropylene\$1 or USPAT 2001/06/28 10 polypropylene\$1polyethylene\$1 or					
polypropylene\$1polyethylene\$1 or	_	33		II CDAT	2001/06/29 10-27
		55		OSEMI	2001/00/20 10:3/
/ /nolunthulano add nolunnamilana) an				[
(polyethylene adj polypropylene) or				}	
(polypropylene adj polyethylene)) with					1
conjugate with fibers)) and (spunbond same					
nonwoven)	l		· ·		
	-	2			2001/06/28 10:35
polypropylene\$1polyethylene\$1 or DERWENT				DERWENT]
(polyethylene adj polypropylene) or		i			į l
(polypropylene adj polyethylene)) with					
conjugate with fibers)) and (spunbond same			conjugate with fibers)) and (spunbond same		
nonwoven)			nonwoven)	1	

_	3	(((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) and conjugate and fibers)) and (spun\$1bond	EPO; JPO; DERWENT	2001/06/28 10:36
-	42	same nonwoven)	USPAT; US-PGPUB	2001/06/28 10:44
-	33	same nonwoven) (((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) with conjugate with fibers)) and (spunbond same	USPAT	2001/06/28 10:37
-	9	nonwoven) ((((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) same conjugate same fibers)) and (spun\$1bond same nonwoven)) not ((((polyethylene\$1polypropylene\$1 or	USPAT	2001/06/28 10:37
		polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) with conjugate with fibers)) and (spunbond same nonwoven))		
	95	<pre>(((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) and conjugate and fibers)) and (spun\$1bond same nonwoven)</pre>	USPAT; US-PGPUB	2001/06/28 10:44
_	53	<pre>((((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) and conjugate and fibers)) and (spun\$1bond same nonwoven)) not ((((polyethylene\$1polypropylene\$1 or polypropylene\$1polyethylene\$1 or (polyethylene adj polypropylene) or (polypropylene adj polyethylene)) same conjugate same fibers)) and (spun\$1bond</pre>	USPAT; US-PGPUB	2001/06/28 11:01
-	10029	same nonwoven)) (personal adj care adj product) or (feminine adj hygiene adj pad) or diaper or (adult adj incontinence adj pad)	USPAT; US-PGPUB	2003/04/11 17:23
-	1219	((personal adj care adj product) or (feminine adj hygiene adj pad) or diaper or (adult adj incontinence adj pad)) and (crimp\$4 or creas\$4)	USPAT; US-PGPUB	2001/06/28 11:04
-	181	(((personal adj care adj product) or (feminine adj hygiene adj pad) or diaper or (adult adj incontinence adj pad)) and (crimp\$4 or creas\$4)) and (spun\$1bond with nonwoven)	USPAT; US-PGPUB	2001/06/28 11:05
_	178	((((personal adj care adj product) or (feminine adj hygiene adj pad) or diaper or (adult adj incontinence adj pad)) and (crimp\$4 or creas\$4)) and (spun\$1bond with nonwoven)) and polypropylene	USPAT; US-PGPUB	2001/06/28 11:06
_	845583	11and (aperture or hole)	USPAT; US-PGPUB	2001/06/28 11:06

7

	109	(((((personal adj care adj product) or	USPAT;	2001/06/28 11:07
		(feminine adj hygiene adj pad) or diaper	US-PGPUB	
		or (adult adj incontinence adj pad)) and		
		(crimp\$4 or creas\$4)) and (spun\$1bond with		
		nonwoven)) and polypropylene) and		
		(aperture or hole)		
	65	("2949394" "3338992" "3341394"	USPAT	2001/06/28 11:41
-	63		USPAI	2001/00/28 11.41
		"3342613" "3423266" "3502538"		
		"3542615" "3622434" "3654060"		
		"3676242" "3692618" "3779246"		
		"3802817" "3849241" "4041203"		
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		"4210144" "4340563" "4444822"		
		"4483895" "4526577" "4587175"		
		"4606970" "4658958" "4677695"		
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		"4725473" "4748070" "4769024"	•	
		"4828556" "4833010" "4849049"		
		"4855178" "4865908" "4886697"		
		"4891249" "4892769" "4900377"		
		"4900390" "4935287" "4945848"		
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		"5167897" "5208098" "5221569"		
		"5226992" "5266390" "5382312"		
		1		
		"5399174" "5409761" "5418045"		
		"5421941" "5422172" "5429629"		l i
		"5455074" "5620788" "Nohr"		j
		"Garavaglia").PN.		
-	18058	crease or creased	USPAT	2001/12/06 12:11
-	59	((polyethylene\$1polypropylene\$1 or	USPAT	2001/12/06 11:09
		(polyethylene adj polypropylene)) with		
	1	conjugate with fibers)		1
l -	116	((polyethylene\$1polypropylene\$1 or	USPAT	2001/12/06 14:17
		(polyethylene with polypropylene)) with		
		conjugate with fibers)	ļ	1
	307358		USPAT	2001/12/06 11:47
-	1	polypropylene or polyethylene	l .	2001/12/06 11:47
-	455175	density	USPAT	1
-	20156	nonwoven	USPAT	2001/12/06 11:48
-	1421	spunbond	USPAT	2001/12/06 11:48
-	63887	through\$1air or (through adj air)	USPAT	2001/12/06 11:50
-	306961	fiber	USPAT	2001/12/06 11:50
-	10694	(personal adj care adj product) or	USPAT;	2001/12/06 11:51
		(feminine adj hygiene adj pad) or diaper	US-PGPUB	
		or (adult adj incontinence adj pad)	1	
-	798		USPAT;	2001/12/06 11:51
1			US-PGPUB	,,
_	46	(nonwoven same spunbond same fiber) and	USPAT;	2001/12/06 11:52
		(crease or creased) and (polypropylene or	US-PGPUB	2001/12/00 11.32
			US-FGFUB	
		polyethylene)	l name	0001/10/06 11 50
-	33	((nonwoven same spunbond same fiber) and	USPAT;	2001/12/06 11:52
		(crease or creased) and (polypropylene or	US-PGPUB	
		polyethylene)) and density		
-	18	(((nonwoven same spunbond same fiber) and	USPAT;	2001/12/06 12:10
		(crease or creased) and (polypropylene or	US-PGPUB	
		polyethylene)) and density) and ((personal		
		adj care adj product) or (feminine adj		<u> </u>
		hygiene adj pad) or diaper or (adult adj		
		incontinence adj pad))		
_	0	442/\$3.\$2.ccls.	USPAT;	2001/12/06 12:10
	1	112/73.72.0013.		2001/12/00 12.10
	24200	120/62 62 62	US-PGPUB	2001/12/05 12:10
-	34288	428/\$3.\$2.ccls.	USPAT;	2001/12/06 12:10
		1	US-PGPUB	1
-	13460	442/\$3.ccls.	USPAT;	2001/12/06 12:10
			US-PGPUB	
– .	278221		USPAT	2001/12/06 14:08
		fold or folded or pleet or pleeted		
-	166		USPAT	2001/12/06 12:13
		fold or folded or pleet or pleeted) and		
		442/\$3.ccls. and spunbond		
				

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-	155	((crease or creased or crimp or crimped or	USPAT	2001/12/06 12:13
		fold or folded or pleet or pleeted) and		
		442/\$3.ccls. and spunbond) and		1
		(polypropylene or polyethylene)		1
-	127	(((crease or creased or crimp or crimped	USPAT	2001/12/06 12:13
		or fold or folded or pleet or pleeted) and		
		442/\$3.ccls. and spunbond) and		
		(polypropylene or polyethylene)) and		
		density		
-	140	("Re31599" "1883526" "2164702"	USPAT	2001/12/06 12:38
		"2774525" "2792841" "2801638"		
	,	"2923298" "2954036" "2957512"		
		"3002873" "3022545" "3077655"		
		"3079929" "3085608" "3104998"		
		"3161557" "3173426" "3180911"		
		"3188372" "3214795" "3220057"		
		"3292619" "3293719" "3315676"		
		"3349431" "3390218" "3408776"		
		"3427376" "3445886" "3484839"		
		"3496259" "3496260" "3507943"		
		"3509007" "3513054" "3518921"		
		"3564677" "3565729" "3654060"		
		"3692618" "3695801" "3717532"		
	1	"3719736" "3762255" "3765974"		
		"3773587" "3789710" "3792952"		
		"3795571" "3802817" "3804695"		
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i		"3854861" "3881381" "3881489"		
		"3925863" "3929135" "3939536"		
1		"3949128" "3953638" "3957564"		
		"3965906" "3966912" "3978185"		
	İ	"3985600" "4041203" "4070218"		
		"4088731" "4093499" "4116892" "4134948" "4144008" "4153664"		
		·		e
		"4177102" "4189344" "4201801" "4223059" "4248822" "4276336"		
		"4278482" "4280978" "4285100"		
		"4325773" "4333784" "4372312"		
		"4374888" "4397644" "4397704"		
		"4400227" "4405297" "4414045"		
		"4418123" "4422892" "4430148"		
		"4463045" "4469734" "4483728"		
		"4488923" "4517714" "4525407"		
		"4531996" "4559050" "4588630"		
		"4618384" "4629457" "4629525"		
		"4650481" "4690679" "4704113"		
		"4710186" "4726976" "4755413"		
		"4781962" "4798604" "4806300"		
		"4820294" "4834741" "4842794"		
		"4854984" "4874457" "4919738"		, ,
		"4921643" "5028289" "5041255"		
		"5057361" "5078935" "5113559"		
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		"5244716" "5257923" "5262107"		
		"5265506" "5336552" "5366782"		
	_	"5376198" "5382400" "Pike").PN.		0001/10/06 10 10
-	0	5814390.URPN.	USPAT	2001/12/06 12:42
1 -	0 27	5814390.URPN. ("2624245" "3224926" "3290209"	USPAT USPAT	2001/12/06 12:42 2001/12/06 12:43
	''	("2624245" "3224926" "3290209" "3455778" "3879257" "4064213"	USPAI	2001/12/00 12:43
		"4469735" "4533437" "4919877"		
		"5048589" "5149335" "5192606"		
		"5219341" "5248309" "5348620"		
		"5364382" "5389202" "5415640"		
	!	"5425725" "5429629" "5429686"		
		"5494554" "5501768" "5545156"		
		"5591147" "5601871" "5607551"		
		"Farrington,").PN.		

	_			
-	18	("3276944" "3338992" "3341394"	USPAT	2001/12/06 12:44
		"3423266" "3502538" "3502763"		
		"3542615" "3692618" "3802817" ·		
		"4340563" "4488928" "4798603"		
		"4883707" "4988345" "5143779"		
		"5188624" "5192606" "5198057").PN.		
_	44	5486166.URPN.	USPAT	2001/12/06 12:46
_	81	(442/352).CCLS.	USPAT	2001/12/06 14:08
_	56074		USPAT	2001/12/06 14:08
	00071	pleet or pleeted	031111	2001/12/00 14.00
_	133		USPAT	2001/12/06 14:09
	133	creased or crimp or crimped or pleet or	OJERI	2001/12/00 14.03
		pleeted) and (through \$1air or (through adj		
		preeced) and (chroughstair or (chrough adj		
	140		LICDAM	2001/12/06 14:17
_	140	((polyethylene\$1polypropylene\$1 or	USPAT	2001/12/06 14:17
		(polyethylene with polypropylene)) with		
	20	conjugate\$3 with fiber)		0001/10/06 11 01
_	32	(((polyethylene\$1polypropylene\$1 or	USPAT	2001/12/06 14:24
		(polyethylene with polypropylene)) with		
		conjugate\$3 with fiber)) and spunbond and		
		(crease or creased or crimp or crimped or		1
		pleet or pleeted)		
-	23	((((polyethylene\$1polypropylene\$1 or	USPAT	2001/12/06 15:10
		(polyethylene with polypropylene)) with		
		conjugate\$3 with fiber)) and spunbond and		
	1	(crease or creased or crimp or crimped or		
		pleet or pleeted)) and ((personal adj care		
		adj product) or (feminine adj hygiene adj		
		pad) or diaper or (adult adj incontinence		
		adj pad))		
-	0	5486166.pn. and spunbond and	USPAT	2001/12/06 15:11
		(((polyethylene\$1polypropylene\$1 or		
		(polyethylene with polypropylene)) with		
		conjugate with fibers)) and (crease or		
	ĺ	creased or crimp or crimped or pleet or	ĺ	
		pleeted)		
_	1	5486166.pn. and spunbond and (crease or	USPAT	2001/12/06 15:11
		creased or crimp or crimped or pleet or		
		pleeted)		
_	1		USPAT	2002/06/23 14:16
_	1	5486166.pn. and crimp\$5	USPAT	2002/06/23 14:23
-	1	(("5597647").PN.) and spunbond	USPAT	2002/06/23 14:23
_	1	("6417427").PN.	USPAT	2003/04/11 16:54
-	4	("4676786" "5662633" "5669895"	USPAT	2003/04/11 16:54
	-	"5972505").PN.		, 5., 12 10.54
_	29	("Re24137" "1997883" "2331355"	USPAT	2003/04/11 16:56
		"3559648" "3779246" "4029100"		=====================================
["4079739" "4333463" "4338371"		
		"4433972" "4501587" "4631062"		
]		"4676786" "4743245" "4828555"		
]		"4846824" "4988344" "4988345"		,
["5012540" "5171302" "5181563"		
["5197959" "5219341" "5267952"		
		"5281208" "5334176" "5382245"		
1		"5429629" "5533991").PN.		
_	0	·	IICDATT	2002/04/11 17:00
_	13913	6417427.URPN.	USPAT	2003/04/11 17:00
-	12212	(personal adj care adj product) or	USPAT;	2003/04/11 17:23
		(feminine adj hygiene adj pad) or diaper	US-PGPUB	
_	1776	or (adult adj incontinence adj pad)	IICDAM -	2002/04/11 17 02
-	17769	liquid near3 (trnaposrt or distribut\$4)	USPAT;	2003/04/11 17:23
	10000		US-PGPUB	
-	40069	surge	USPAT;	2003/04/11 17:23
[US-PGPUB	0000/01/15
-	11100	flow near3 regulator	USPAT;	2003/04/11 17:24
			US-PGPUB	
-	5180	((personal adj care adj product) or	USPAT;	2003/04/11 17:24
[]	(feminine adj hygiene adj pad) or diaper	US-PGPUB	
i		or (adult adj incontinence adj pad)) and		
		((liquid near3 (trnaposrt or distribut\$4))		
		oe surge or (flow near3 regulator))		

-	1110		USPAT;	2003/04/11 17:30
		(feminine adj hygiene adj pad) or diaper	US-PGPUB	
		or (adult adj incontinence adj pad)) and		!
		((liquid near3 (trnaposrt or distribut\$4))		Ì
		or surge or (flow near3 regulator))		
-	25132	creas\$5	USPAT:	2003/04/11 17:28
			US-PGPUB	
l <u>-</u>	2	((personal adj care adj product) or	USPAT;	2003/04/11 17:30
	_	(feminine adj hygiene adj pad) or diaper	US-PGPUB	
		or (adult adj incontinence adj pad)) and	** - * - * - * - * - * - * - * - * - *	
i		(((liquid near3 (trnaposrt or		
		distribut\$4)) or surge or (flow near3		
		regulator)) same creas\$5)		
l _	17	((personal adj care adj product) or	USPAT;	2003/04/11 17:30
	'	(feminine adj hygiene adj pad) or diaper	US-PGPUB	2003/04/11 17.30
		or (adult adj incontinence adj pad)) and	03-19100	
		(((liquid near3 (trnaposrt or		
		distribut\$4)) or surge or (flow near3		
_	1	regulator)) same pleat\$4) ("5368926").PN.	USPAT	2003/05/16 18:03
-	23651			
-	23031		USPAT	2003/05/17 14:34
		near3 napkin) (feminine with (care product		
		pad napkin garment hygiene)) (medical with		
		(garment drape wipe pad)) bandage		
		pantiliner		0000/05/16 10 05
*	3935	1 '	USPAT	2003/05/16 18:07
		layer) (wicking with layer)		
-	37069	surge	USPAT	2003/05/16 18:07
-	1463	(catamenial diaper incontinen\$4 (sanitary	USPAT	2003/05/16 18:08
		near3 napkin) (feminine with (care product		
		pad napkin garment hygiene)) (medical with		
		(garment drape wipe pad)) bandage		
		pantiliner) and (((fluid with (transport\$4	1	
		distribut\$4) with layer) (wicking with		
		layer)) surge)		
_	337520	1 •	USPAT	2003/05/16 18:10
-	. 528	((catamenial diaper incontinen\$4 (sanitary	USPAT	2003/05/16 18:08
		near3 napkin) (feminine with (care product		
		pad napkin garment hygiene)) (medical with		
		(garment drape wipe pad)) bandage		
		pantiliner) and (((fluid with (transport\$4		
	1	distribut\$4) with layer) (wicking with		
	1	layer)) surge)) and compression		
-	14100		USPAT	2003/05/16 18:10
-	132	((catamenial diaper incontinen\$4 (sanitary	USPAT	2003/05/16 18:11
		near3 napkin) (feminine with (care product		
		pad napkin garment hygiene)) (medical with		l i
		(garment drape wipe pad)) bandage		, ,
		pantiliner) and (((fluid with (transport\$4		
		distribut\$4) with layer) (wicking with		
		layer)) surge)) and (compression with		
		resistan\$3)		